

ABSTRACT

When a slide door stops at an intermediate position over a protection action time start time ($T\beta$), an electric motor is operated in closing direction in low driving force mode. When the move speed (V_c) of the slide door is a movable speed ($V\alpha$) or higher, the slide door is moved to its fully closed position by automatic closing action, and an electromagnetic clutch is disconnected. On the other hand, when the move speed (V_c) of the slide door is not made to reach the movable speed ($V\alpha$) or higher over a speed judgment time (T_j), the electric motor is operated in closing direction in the low driving force mode, and when the move speed (V_o) of the slide door is made to reach the movable speed ($V\alpha$) or higher, the slide door is automatically opened. Further, when the move speed (V_o) of the slide door is made to reach the movable speed ($V\alpha$) or higher for the speed judgment time (T_j), the electric motor is stopped, and the electromagnetic clutch is made into its disconnected status.